	Application No.	Applicant(s)	
Notice of Allowability	10/750,862	YOSHIKAWA ET AL.	
	Examin r	Art Unit]
	Andy Huynh	2818	m
Th MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED) or other appropriate com IGHTS. This application is	in this application. If not include munication will be mailed in due o	d course. THIS
1. This communication is responsive to	,		
2. The allowed claim(s) is/are 10-18.			
3. \boxtimes The drawings filed on <u>05 January 2004</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority u a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 		i) or (f).	
		tion No. 10/253 524	
3. ☐ Copies of the certified copies of the priority do	• •		ion from the
International Bureau (PCT Rule 17.2(a)).	reaments have been recen	red in this hational stage applicat	
* Certified copies not received:	•		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		ile a reply complying with the req	uirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which giv 			OTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") mu (a) ☐ including changes required by the Notice of Draftsper 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner 	son's Patent Drawing Revi 	,	
Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the same of the sam	l.84(c)) should be written or the header according to 37	the drawings in the front (not the	back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MA	TERIAL must be submitted. N	lote the
Attachm mt/a)			
Attachm nt(s) 1. ☑ Notice of References Cited (PTO-892)	5. Notice of	Informal Patent Application (PTC)-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),	
 Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 01/05/2004 		o./Mail Date 's Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit		's Statement of Reasons for Allo	wance
of Biological Material	9. Other	·	
	4/		
	David Nelms		
•	ervisory Patent Examiner chnology Center 2800		

DETAILED ACTION

In the Request for filing a Divisional application filed January 5, 2004, Applicant has canceled claims 1-9 is acknowledged. Accordingly, claims 10-18 are pending in this application, which is a divisional of Application Serial No. 10/253,524 filed 09/25/2002, USP No. 6,717,198.

Allowable Subject Matter

Claims 10-18 are allowed.

The following is an examiner's statement of reason for allowance: The prior art of record fails to teach or suggest the limitation recited a method for fabricating a ferroelectric memory including a plurality of ferroelectric capacitors, each of which has a lower electrode, a capacitor dielectric film of a ferroelectric film and an upper electrode successively formed on an interlayer insulating film on a semiconductor substrate, the plurality of ferroelectric capacitors being arranged along a bit line direction and a word line direction, comprising the steps of depositing a first insulating hydrogen barrier film on the interlayer insulating film and the lower electrodes and planarizing the first insulating hydrogen barrier film, whereby filling the first insulating hydrogen barrier film between said lower electrodes of some ferroelectric capacitors, among said plurality of ferroelectric capacitors, that are arranged along one direction out of said word line direction and said bit line direction; and forming, on the common upper electrode, a second insulating hydrogen barrier film covering the common upper electrode as recited in independent claim 10.

Art Unit: 2818

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy Huynh whose telephone number is (571) 272-1781. The examiner can normally be reached on Monday-Friday 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

ΑH

06/03/04

David Nelms
Supervisory Patent Examiner
Technology Center 2800